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BATCH# 10

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SMIT

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Program 01:

```
[1] ✓ 12s
    r = float(input("Enter speed: "))
    t = float(input("Enter time: "))
    d = r * t
    print("Distance:", format(d, ".2f"))

    Enter speed: 42
    Enter time: 12
    Distance: 504.00
```

Program 02:

```
[2] ✓ 56s
    P = float(input("Enter principal: "))
    R = float(input("Enter annual rate (decimal): "))
    T = float(input("Enter time in years: "))
    I = P * R * T
    print("Simple Interest:", format(I, ".2f"))

    Enter principal: 1000
    Enter annual rate (decimal): 100
    Enter time in years: 10
    Simple Interest: 1000000.00
```

Program 03:

```
[4] ✓ 10s
    weight = float(input("Enter weight in kilograms: "))
    height = float(input("Enter height in meters: "))
    bmi = weight / (height * height)
    print("BMI:", format(bmi, ".2f"))

    ... Enter weight in kilograms: 76
    Enter height in meters: 1.74
    BMI: 25.10
```

#### Program 04:

```
[5] ✓ 34s
    import math
    r = float(input("Enter radius: "))
    A = math.pi * r * r
    print("Area:", format(A, ".2f"))

▼ Enter radius: 12
    Area: 452.39
```

#### Program 05:

```
[6] ✓ 11s
    ➔ F = float(input("Enter temperature in Fahrenheit: "))
        C = (F - 32) * 5/9
        print("Celsius:", format(C, ".2f"))

    ... Enter temperature in Fahrenheit: 98
        Celsius: 36.67
```